

celling therein the blood of the Vein. The Calf, when dress'd, had, by the information of the Butcher, as little blood as the Sheep; and we saw him look whiter, than usually they do in the ordinary way of killing.

2. I took out 45 ounces and better, of blood, out of the *Fugular Vein* of a Sheep, of a lesser size than the former; by which time, the Spectators, as well as myself, found her exceeding faint, and some thought her pass'd recovery, without a supply of blood. Then I convey'd blood from the *Fugular Vein* of a Calf into that of the Sheep, for the space of 7 minutes, when we did believe, by the continuance of a good stream from the Calf, that the Sheep had already received more blood, than she had lost. Whereupon we set her free, and she had no sooner got her liberty, but seeing a Dog near her (which was a Spaniel, that had formerly suffered the transmission of Sheeps-blood into him) she butted with great violence at him three or four times, not appearing at all concern'd at what she had endured in the Experiment. We keep this Sheep alive, she being sent to grafs again, and seeming hitherto very strong and lusty.

The Calf was much larger than the Sheep. We bled the Calf to death, and received from him six Porringers full of blood, after the Sheep had been suppleid, each Porringer containing 11½ ounces of water. The Sheep lost four of the same measures full of blood; which being supply'd by that of the Calf, we reckon, that the Calf lost 10 such measures in all.

An Account Of another Experiment of Transfusion, viz. of Bleeding a Mangy into a Sound Dog.

*This was made by Mr. Thomas Coxe, and imparted likewise
to the Royal Society in manner following.*

I procured an old Mungrell Curr, all over-run with the Mainge, of a middle size, and having, some hours before, fed him plentifully with Cheese-parings and Milk, I prepared the *Fugular Vein*,

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as we use to do the *Carotidal Artery* of the *Emittent Animal*, not designing any thing further, than to determine by Experiment the Intection of the *Recipient's* blood. Then I made as strong a Ligature upon the Dogs Neck, as I durst, for fear of choaking him, to the end, that the *Venal* blood, which is much more sluggish in its motion and evacuation, than the *Arterial*, might be emitted with the greater advantage of *Impetus*.

Then I took a young *Land-Spaniel*, of about the same bigness, and prepared his Jugular Vein, as is usually done in the *Recipient Animal*; the *heart-ward* part of the Vein to receive the Maingy Dogs blood, and the *head-ward* part of it to discharge his own into a Dish.

Having thus prepared them both, and placed them in a convenient posture one to the other, I let slip the running knots, and by frequent compression of the Neck (besides the Ligature I had made) by reason of the tardy running of the *Venal* blood out of the *Emittent*, transfused about 14 or 16 ounces of the blood of the *Infected*, into the Veins of the *Sound Dog*, as neer as I could guess by the quantity of blood, which ran into a Dish from the *Recipient*; supposing the *Recipient Animal* to lose near about the same proportion to what the *Emittent* supplies.

The effect of which Experiment was, no alteration at all, any way, to be observed in the *Sound Dog*. But for the *Maingy Dog*, he was in about 10 dayes or a fortnights space perfectly cured: which might with probability enough, I think, have been expected from the considerable evacuation, he made; (perhaps the quickest and surest remedy for the cure of that sort of disease, he was infected with, both in Man and Beast.)